

THAT WHICH IS CLAIMED IS:

1. A method for generating an electronic clinical medical record from a given patient encounter, comprising the steps of:

5 (a) accepting entry of an identification of an illness for that patient into a data processing system via an input device;

10 (b) displaying an initial defined retrievable clinical lexicon for the illness via the input device, the defined retrievable clinical lexicon comprising words and phrases associated with the illness;

(c) accepting selection of a subset of words and phrases from the displayed defined retrievable clinical lexicon for the patient encounter; and then

15 (d) generating a clinical medical record from the selected subset of words and phrases.

2. The method according to claim 1, wherein step (b) comprises simultaneously displaying the words and phrases of the defined retrievable clinical lexicon.

3. The method according to claim 1, further comprising the step of:

5 (e) adding a word or phrase to the defined retrievable clinical lexicon after the displaying step so that the word or phrase may be incorporated into the clinical medical record.

4. The method according to claim 1, further comprising the step of:

(f) deleting a word or phrase from the defined retrievable clinical lexicon after the word or phrase is not selected after a predetermined number of patient encounters in which the defined retrievable clinical lexicon containing the word or phrase is displayed.

5. The method according to claim 1, wherein step (d) is carried out with a natural language generator.

6. The method according to claim 1, wherein the input device comprises a touch tablet display.

7. The method according to claim 1, wherein a previous clinical medical record exists for the patient, and wherein the defined retrievable clinical lexicon is modified via information contained within the previous clinical medical record.

8. The method according to claim 1, wherein step (c) further comprises accepting selection of patient anatomic information from a displayed anatomic reference chart.

9. The method according to claim 1, wherein step (c) further comprises accepting selection of a numeric indicator of severity of a patient condition.

10. The method according to claim 1, further comprising the step of:

5 (g) displaying information about medical conditions of members of a patient's family via a genetic tree.

11. A method for generating an electronic clinical medical record from a given patient encounter, comprising the steps of:

5 (a) accepting entry of an identification of an illness for the patient into a data processing system via an input device;

10 (b) displaying an initial defined retrievable clinical lexicon for the illness via the input device, the defined retrievable clinical lexicon comprising words and phrases associated with the illness;

(c) accepting entry of an identification of at least one existing medical condition or prior medical treatment for the patient into the data processing system via the input device;

15 (d) displaying a subsequent defined retrievable clinical lexicon for at least one of the existing medical condition or prior medical treatment via the input device;

20 (e) accepting selection of a subset of words and phrases from the displayed initial and subsequent defined retrievable clinical lexicons for the patient encounter; and then

(f) generating a clinical medical record from the selected subset of words and phrases.

12. The method according to claim 11, wherein steps (b) and (d) each comprise simultaneously displaying the words and phrases of the defined retrievable clinical lexicon.

13. The method according to claim 11, further comprising the step of:

5 (g) adding a word or phrase to the defined retrievable clinical lexicon after the displaying step so that the word or phrase may be incorporated into the clinical medical record.

14. The method according to claim 11, further comprising the step of:

5 (h) deleting a word or phrase from the defined retrievable clinical lexicon after the word or phrase is not selected after a predetermined number of patient encounters in which the defined retrievable clinical lexicon containing the word or phrase is displayed.

15. The method according to claim 11, wherein step (f) is carried out with a natural language generator.

16. The method according to claim 11, wherein the input device comprises a touch tablet display.

17. A method for generating a plurality of searchable electronic clinical medical records from a plurality of patient encounters between different

patients and different clinicians, comprising the steps  
5 of:

(a) accepting entry into a data processing  
system via an input device an identification of an  
illness for a patient during a given patient encounter;

(b) displaying a defined retrievable clinical  
10 lexicon for the illness via the input device, the  
defined retrievable clinical lexicon comprising words  
and phrases associated with the illness;

(c) accepting selection of a subset of words  
and phrases from the displayed defined retrievable  
15 clinical lexicon;

(d) generating a clinical medical record from  
the selected subset of words and phrases for the  
patient encounter; then

(e) repeating steps (a) to (d) above for a  
20 plurality of additional different patients during a  
plurality of different patient encounters to create a  
plurality of separate clinical medical records for the  
plurality of patients;

(f) searching the plurality of separate  
25 clinical medical records for at least one word or  
phrase; and then

(g) generating a report indicating those  
separate clinical medical records from among the  
plurality of separate clinical medical records  
30 containing the at least one word or phrase.

18. The method according to claim 17,  
further comprising the step of (h) performing  
statistical analysis on the plurality of separate  
clinical medical records.

19. The method according to claim 18, wherein step (h) comprises performing regression analysis or multivariate analysis.

20. A system that generates an electronic clinical medical record from a given patient encounter, comprising:

- means for accepting entry of an
- 5 identification of an illness for that patient into a data processing system via an input device;
- means for displaying an initial defined retrievable clinical lexicon for the illness via the input device, the defined retrievable clinical lexicon
- 10 comprising words and phrases associated with the illness;
- means for accepting selection of a subset of words and phrases from the displayed defined retrievable clinical lexicon for the patient encounter;
- 15 and
- means for generating a clinical medical record from the selected subset of words and phrases.

21. The system according to claim 20, wherein the means for displaying an initial defined retrievable clinical lexicon comprises means for simultaneously displaying the words and phrases of the

5 defined retrievable clinical lexicon.

22. The system according to claim 20, further comprising means for adding a word or phrase to the defined retrievable clinical lexicon so that the

word or phrase may be incorporated into the clinical  
5 medical record.

23. The system according to claim 20,  
further comprising means for deleting a word or phrase  
from the defined retrievable clinical lexicon after the  
word or phrase is not selected after a predetermined  
5 number of patient encounters in which the defined  
retrievable clinical lexicon containing the word or  
phrase is displayed.

24. The system according to claim 20,  
wherein the means for generating a clinical medical  
record from the selected subset of words and phrases  
comprises a natural language generator.

25. The system according to claim 20,  
wherein the input device comprises a touch tablet  
display.

26. The system according to claim 20,  
wherein a previous clinical medical record exists for  
the patient, and wherein the defined retrievable  
clinical lexicon is modified via information contained  
5 within the previous clinical medical record.

27. The system according to claim 20,  
further comprising means for accepting selection of  
patient anatomic information from a displayed anatomic  
reference chart.

28. The system according to claim 20,  
further comprising means for accepting selection of a  
numeric indicator of severity of a patient condition.

29. The system according to claim 20,  
further comprising means for displaying information  
about medical conditions of members of a patient's  
family via a genetic tree.

30. A system that generates an electronic  
clinical medical record from a given patient encounter,  
comprising:

means for accepting entry of an  
5 identification of an illness for the patient into a  
data processing system via an input device;

means for displaying an initial defined  
retrievable clinical lexicon for the illness via the  
input device, the defined retrievable clinical lexicon  
10 comprising words and phrases associated with the  
illness;

means for accepting entry of an  
identification of at least one existing medical  
condition or prior medical treatment for the patient  
15 into the data processing system via the input device;

means for displaying a subsequent defined  
retrievable clinical lexicon for at least one of the  
existing medical condition or prior medical treatment  
via the input device;

20 means for accepting selection of a subset of  
words and phrases from the displayed initial and  
subsequent defined retrievable clinical lexicons for  
the patient encounter; and



means for generating a clinical medical  
25 record from the selected subset of words and phrases.

31. The system according to claim 30,  
wherein the means for displaying initial and subsequent  
defined retrievable clinical lexicons comprises means  
for simultaneously displaying words and phrases.

32. The system according to claim 30,  
further comprising means for adding a word or phrase to  
the defined retrievable clinical lexicon so that the  
word or phrase may be incorporated into the clinical  
5 medical record.

33. The system according to claim 30,  
further comprising means for deleting a word or phrase  
from the defined retrievable clinical lexicon after the  
word or phrase is not selected after a predetermined  
5 number of patient encounters in which the defined  
retrievable clinical lexicon containing the word or  
phrase is displayed.

34. The system according to claim 30,  
wherein the means for generating a clinical medical  
record from the selected subset of words and phrases  
comprises a natural language generator.

35. The system according to claim 30,  
wherein the input device comprises a touch tablet  
display.

36. A system for generating a plurality of searchable electronic clinical medical records from a plurality of patient encounters between different patients and different clinicians, comprising:

5 means for accepting entry into a data processing system via an input device an identification of an illness for each of a plurality of patients during a respective plurality of patient encounters;

10 means for displaying a respective defined retrievable clinical lexicon for an illness for each of the plurality of patients via the input device, each respective defined retrievable clinical lexicon comprising words and phrases associated with an illness;

15 means for accepting selection of a subset of words and phrases from each respective displayed defined retrievable clinical lexicon;

20 means for generating a respective clinical medical record for each patient from words and phrases selected from a respective displayed defined retrievable clinical lexicon;

means for searching the plurality of separate clinical medical records for at least one word or phrase; and

25 means for generating a report indicating those separate clinical medical records from among the plurality of separate clinical medical records containing the at least one word or phrase.

37. The system according to claim 36, further comprising means for performing statistical

analysis on the plurality of separate clinical medical records.

38. The system according to claim 37, wherein the means for performing statistical analysis comprises means for performing regression analysis or multivariate analysis.

39. A computer program product that generates an electronic clinical medical record from a given patient encounter, the computer program product comprising a computer usable storage medium having  
5 computer readable program code embodied in the medium, the computer readable program code comprising:

computer readable program code that accepts entry of an identification of an illness for that patient into a data processing system via an input  
10 device;

computer readable program code displays an initial defined retrievable clinical lexicon for the illness via the input device, the defined retrievable clinical lexicon comprising words and phrases  
15 associated with the illness;

computer readable program code that accepts selection of a subset of words and phrases from the displayed defined retrievable clinical lexicon for the patient encounter; and

20 computer readable program code that generates a clinical medical record from the selected subset of words and phrases.

40. The computer program product according to claim 39, wherein the computer readable program code that displays an initial defined retrievable clinical lexicon comprises computer readable program code that simultaneously displays the words and phrases of the defined retrievable clinical lexicon.

41. The computer program product according to claim 39, further comprising computer readable program code that adds a word or phrase to the defined retrievable clinical lexicon so that the word or phrase may be incorporated into the clinical medical record.

42. The computer program product according to claim 39, further comprising computer readable program code that deletes a word or phrase from the defined retrievable clinical lexicon after the word or phrase is not selected after a predetermined number of patient encounters in which the defined retrievable clinical lexicon containing the word or phrase is displayed.

43. The computer program product according to claim 39, wherein the computer readable program code that generates a clinical medical record from the selected subset of words and phrases comprises a natural language generator.

44. The computer program product according to claim 39, wherein the input device comprises a touch tablet display.

45. The computer program product according to claim 39, wherein a previous clinical medical record exists for the patient, and wherein the defined retrievable clinical lexicon is modified via  
5 information contained within the previous clinical medical record.

46. The computer program product according to claim 39, further comprising computer readable program code that accepts selection of patient anatomic information from a displayed anatomic reference chart.

47. The computer program product according to claim 39, further comprising computer readable program code that accepts selection of a numeric indicator of severity of a patient condition.

48. The computer program product according to claim 39, further comprising computer readable program code that displays information about medical conditions of members of a patient's family via a  
5 genetic tree.

49. A computer program product that generates an electronic clinical medical record from a given patient encounter, the computer program product comprising a computer usable storage medium having  
5 computer readable program code embodied in the medium, the computer readable program code comprising:

computer readable program code that accepts entry of an identification of an illness for the

patient into a data processing system via an input  
10 device;

computer readable program code that displays  
an initial defined retrievable clinical lexicon for the  
illness via the input device, the defined retrievable  
clinical lexicon comprising words and phrases  
15 associated with the illness;

computer readable program code that accepts  
entry of an identification of at least one existing  
medical condition or prior medical treatment for the  
patient into the data processing system via the input  
20 device;

computer readable program code that displays  
a subsequent defined retrievable clinical lexicon for  
at least one of the existing medical condition or prior  
medical treatment via the input device;

25 computer readable program code that accepts  
selection of a subset of words and phrases from the  
displayed initial and subsequent defined retrievable  
clinical lexicons for the patient encounter; and

computer readable program code that generates  
30 a clinical medical record from the selected subset of  
words and phrases.

50. The computer program product according  
to claim 49, wherein the computer readable program code  
that displays initial and subsequent defined  
retrievable clinical lexicons comprises computer  
5 readable program code that simultaneously displays  
words and phrases.

51. The computer program product according to claim 49, further comprising computer readable program code that adds a word or phrase to the defined retrievable clinical lexicon so that the word or phrase  
5 may be incorporated into the clinical medical record.

52. The computer program product according to claim 49, further comprising computer readable program code that deletes a word or phrase from the defined retrievable clinical lexicon after the word or  
5 phrase is not selected after a predetermined number of patient encounters in which the defined retrievable clinical lexicon containing the word or phrase is displayed.

53. The computer program product according to claim 49, wherein the computer readable program code that generates a clinical medical record from the selected subset of words and phrases comprises a  
5 natural language generator.

54. The computer program product according to claim 49, wherein the input device comprises a touch tablet display.

55. A computer program product for generating a plurality of searchable electronic clinical medical records from a plurality of patient encounters between different patients and different  
5 clinicians, the computer program product comprising a computer usable storage medium having computer readable

program code embodied in the medium, the computer readable program code comprising:

10 computer readable program code that accepts entry into a data processing system via an input device an identification of an illness for each of a plurality of patients during a respective plurality of patient encounters;

15 computer readable program code that displays a respective defined retrievable clinical lexicon for an illness for each of the plurality of patients via the input device, each respective defined retrievable clinical lexicon comprising words and phrases associated with an illness;

20 computer readable program code that accepts selection of a subset of words and phrases from each respective displayed defined retrievable clinical lexicon;

25 computer readable program code that generates a respective clinical medical record for each patient from words and phrases selected from a respective displayed defined retrievable clinical lexicon;

30 computer readable program code that searches the plurality of separate clinical medical records for at least one word or phrase; and

35 computer readable program code that generates a report indicating those separate clinical medical records from among the plurality of separate clinical medical records containing the at least one word or phrase.

56. The computer program product according to claim 55, further comprising computer readable



program code that performs statistical analysis on the plurality of separate clinical medical records.

57. The computer program product according to claim 55, wherein the computer readable program code that performs statistical analysis comprises computer readable program code that performs regression analysis or multivariate analysis.

5